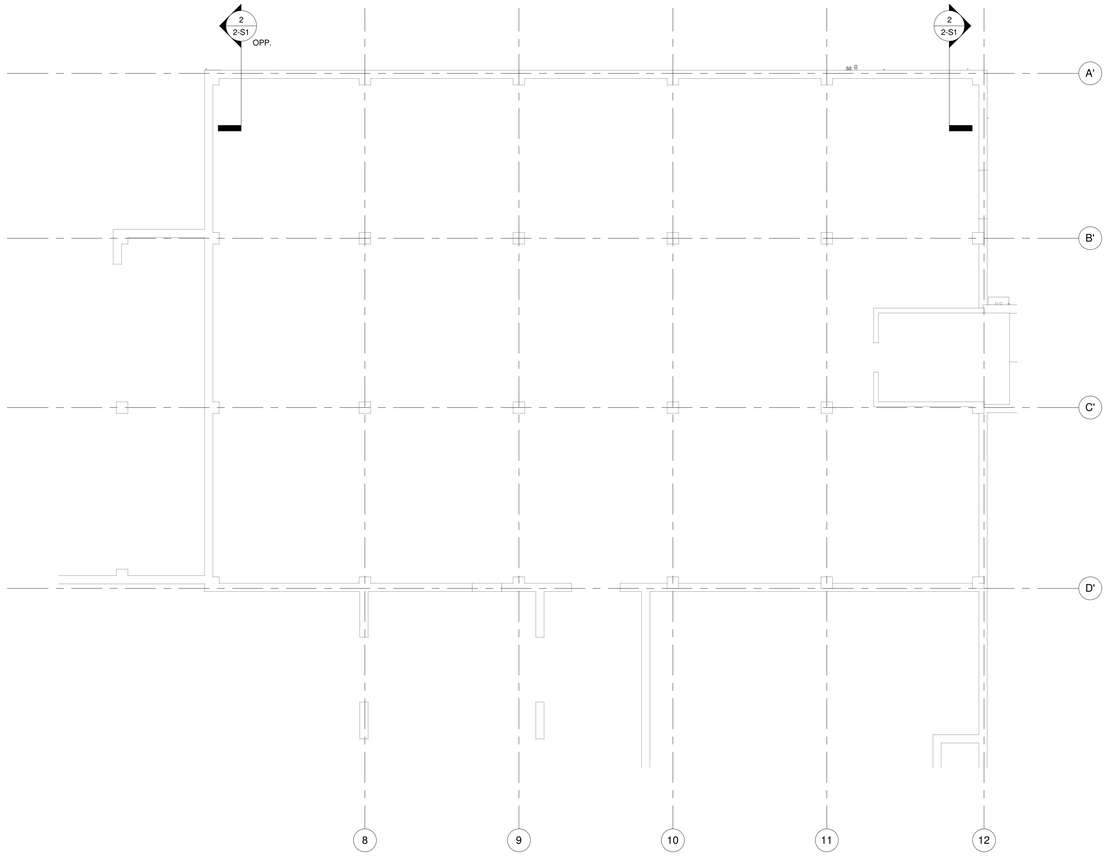
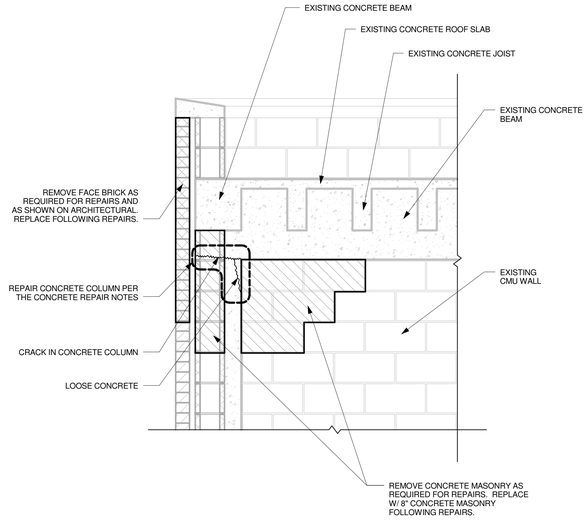


1 PARTIAL REPAIR PLAN
SCALE: 1/8" = 1'-0"

PLAN NORTH



2 COLUMN REPAIR DETAIL
SCALE: 3/4" = 1'-0"

CONCRETE REPAIR NOTES:

A. PROVIDE CONCRETE REPAIRS PER SPECIFICATION 03 01 30.71 - CONCRETE REHABILITATION.

B. PREPARATION: REMOVE LOOSE CONCRETE FROM THE SPALLED AND CRACKED AREAS. INSPECT THE CAVITY FOR REMAINING DEFECTIVE CONCRETE BY TAPPING WITH A HAMMER OR STEEL ROD AND LISTENING FOR DULL OR HOLLOW SOUNDS. IN AREAS WHERE TAPPING DOES NOT PRODUCE A SOLID TONE, REMOVE ADDITIONAL CONCRETE UNTIL TESTING PRODUCES A SOLID TONE. WHERE EXISTING REINFORCING STEEL IS EXPOSED DURING THE REMOVAL OF LOOSE CONCRETE THE CAVITY SHALL EXTEND A MINIMUM OF 3/4" AROUND ALL REINFORCING BAR. REMOVE ALL RUST AND SCALE FROM THE REINFORCING BAR. SAWCUT EDGES OF THE CAVITY TO AVOID FEATHER EDGING. PREPARE SURFACE OF CAVITY BY SANDBLASTING, GRINDING OR WATER BLASTING. REMOVE DUST, DIRT AND LOOSELY BONDED MATERIAL RESULTING FROM CLEANING. ENSURE CAVITY SURFACES ARE DRY.

C. STEEL REVIEW: ALL EXISTING REINFORCING STEEL EXPOSED DURING REMOVAL OF LOOSE CONCRETE SHALL BE REVIEWED TO DETERMINE EXTENT OF DETERIORATION. CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IF MORE THAN TEN PERCENT OF THE EFFECTIVE STEEL HAS BEEN CORRODED.

D. CRACK REPAIR/EPOXY INJECTION: CLEAN EACH CRACK OF DUST, DIRT, LOOSE CONCRETE AND UNSOUND MATERIAL. INSERT A VALVE AT BOTH ENDS OF EACH CRACK, AT THE JUNCTION OF TWO CRACKS AND ALONG THE LENGTH OF EACH CRACK AT 8 INCH INTERVALS. INSTALL A CAP SEAL BETWEEN VALVES TO CONTAIN EPOXY. AFTER CAP SEAL HAS HARDENED AND CURED, PUMP EPOXY INTO VALVE AT ONE END OF CRACK. FOR VERTICAL SURFACES START AT THE LOWEST VALVE AND WORK UPWARDS. AS EPOXY APPEARS AT THE NEXT VAVLE, PINCH CLOSED PUMPING VALVE AND MOVE TO THE NEXT VALVE AND COMMENCE PUMPING. CONTINUE PROCEDURE UNTIL OTHER END OF CRACK IS REACHED. AVOID DELAYS IN PUMPING OPERATION. AFTER EPOXY HAS HARDENED AND CURED GRIND OFF VALVES AND CAP SEAL.

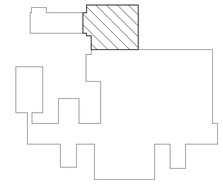
E. CONCRETE REPAIR: PRIME SURFACES WITH EPOXY RESIN BINDER. SCRUB PRIME COAT INTO SURFACE WITH A STIFF BRISTLE BRUSH. PLACE EPOXY MORTAR WHILE PRIMER IS STILL TACKY. APPLY AT A THICKNESS RECOMMENDED BY THE MANUFACTURER. WORK MORTAR INTO PLACE AND CONSOLIDATE THOROUGHLY SO THAT CONTACT SURFACES ARE WETTED BY THE MORTAR. FINISH SURFACE OF MORTAR TO THE REQUIRED TEXTURE. DO NOT FEATHER EDGE EPOXY MORTAR ONTO ADJACENT SURFACES.

F. PAINTING: FOLLOWING REPAIRS PAINT PER REFERENCED NOTE 2 ON SHEET 2-A1.

GENERAL PLAN NOTES:

A. EXISTING CONDITIONS ARE BASED ON DRAWINGS PROVIDED BY THE OWNER AND LIMITED FIELD VERIFICATIONS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AND NOTIFY THE PROJECT MANAGER OF ANY DISCREPANCIES OR VARIATIONS FROM THOSE SHOWN ON THE DRAWINGS.

B. THE CONTRACTOR SHALL DESIGN AND PROVIDE ALL NECESSSARY SHORING, BRACING, FORMWORK AND ANY OTHER SUPPORTING ELEMENTS NECESSARY FOR THE CONSTRUCTION.



KEYPLAN

TRUE NORTH

PLAN NORTH

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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TSA PROJECT NO.: 06054.012

Drawing Title: REPAIR PLAN, STRUCTURAL NOTES & DETAILS

Approved: JJH

Project Title: Iowa City VA Healthcare System Repair Building 2, Structure & Tuckpoint

Location: Iowa City, Iowa

Date: 10/01/2012 | Checked: JJH | Drawn: KMW

Project Number: 636A8-12-008

Building Number: 2

Drawing Number: 2-S1

Dwg. 7 of 7

Office of Construction and Facilities Management

Department of Veterans Affairs

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